

Sep 17-9:43 AM

Describing Motion Review

Grade: 8th
Subject: Physical Science
Date:

Oct 24-9:25 AM

- 1 How long does it take a sound wave to reach you if it travels 1000m at a speed of 330 m/s?

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- 2 How long does it take you to reach Fort Benton if you travel 60 km/hr for a distance of 40 km?

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3 What is your velocity if you travel by plane 30 km south to Denton in 20 minutes?

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4 If you travel 80 meters north in 5 seconds, what is your velocity?

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5 What is your acceleration if your velocity changes from 0 m/s to 40 m/s in 2 seconds?

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6 What is your acceleration if your velocity changes from 0 km/hr to 110 km/hr in 0.1 hr?

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7 The measure of the force of gravity on an object is...?

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8 The tendency of an object to resist any change in motion is ...?

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9 Forces of equal size in opposite directions is called a _____ force

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10 Another term for an unbalanced force acting on an object is a _____ force

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11 An object moving at a constant velocity will want to remain in motion and an object at rest will remain at rest unless a net force acts upon it summarizes _____ first law

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12 Velocity describes both speed and _____

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13 _____ is the rate of change of speed and/or direction

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14 The unit m/s is used for describing _____

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15 The unit N is used for describing _____

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16 The unit meters per second squared (m/s/s) is used to describe _____

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17 The unit kg is used to describe _____

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18 Which object has the most inertia?

- A pencil
- B bowling ball
- C toothpick

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19 In one word, how is mass different than weight?

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20 the equation $v = (d/t)$ describes acceleration

True

False

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